

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

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NEWS IPC8 For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 12:37:13 ON 27 MAR 2008

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:37:26 ON 27 MAR 2008

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STRUCTURE FILE UPDATES: 26 MAR 2008 HIGHEST RN 1010293-80-7

DICTIONARY FILE UPDATES: 26 MAR 2008 HIGHEST RN 1010293-80-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\11551319str2.str

L1 STRUCTURE UPLOADED

=> s l1 full

FULL SEARCH INITIATED 12:37:59 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 458 TO ITERATE

100.0% PROCESSED 458 ITERATIONS

21 ANSWERS

SEARCH TIME: 00.00.01

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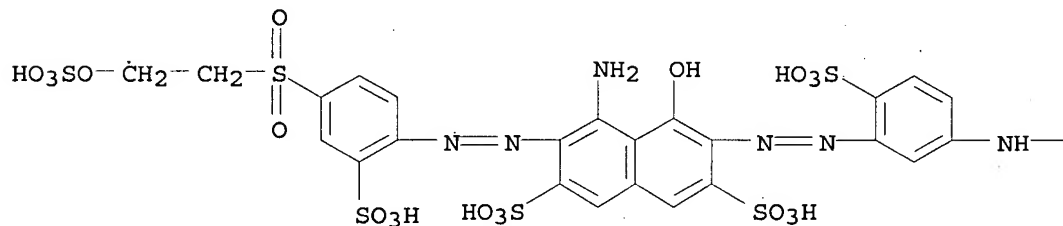
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RN 865297-56-9 REGISTRY  
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4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulphophenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-2,7-naphthalenedisulfonic acid (9CI)  
(CA INDEX NAME)  
MF C35 H31 Cl N10 O25 S8 . C33 H24 Cl Cu N9 O15 S4 . 4 H  
CI MXS  
SR CA  
LC STN Files: CA, CAPLUS

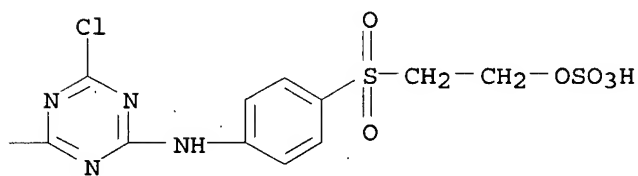
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CRN 748766-76-9  
CMF C35 H31 Cl N10 O25 S8

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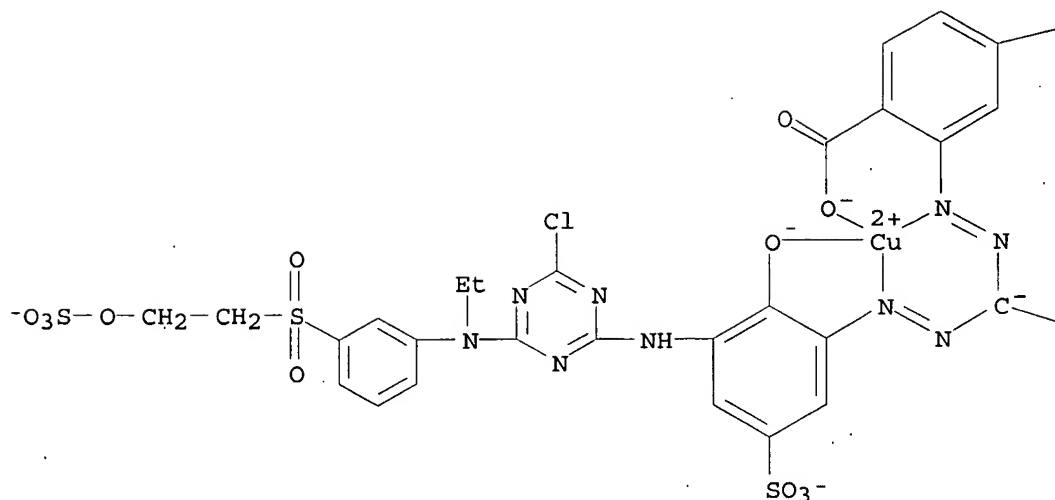


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CCI CCS

-SO<sub>3</sub><sup>-</sup>● 4 H<sup>+</sup>

Ph

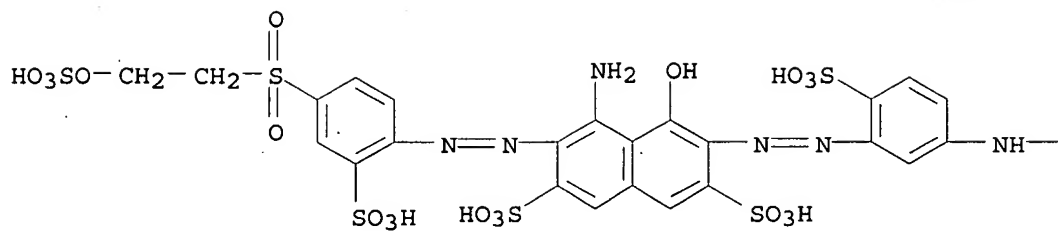
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN  
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 ED Entered STN: 14 Oct 2005  
 CN Cuprate(4-), [2-[[[3-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-(hydroxy-κO)-5-sulfophenyl]azo-κN2]phenylmethyl]azo-κN1]-4-sulfobenzoato(6-)-κO]-, tetrahydrogen, mixt. with 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-2,7-naphthalenedisulfonic acid (9CI) (CA INDEX NAME)  
 MF C35 H31 Cl N10 O25 S8 . C31 H20 Cl Cu N9 O15 S4 . 4 H  
 CI MXS  
 SR CA  
 LC STN Files: CA, CAPLUS

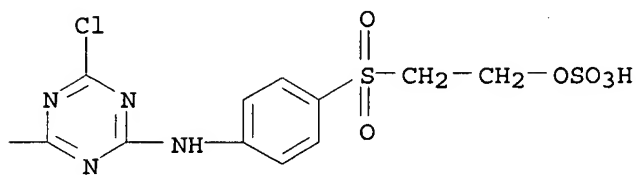
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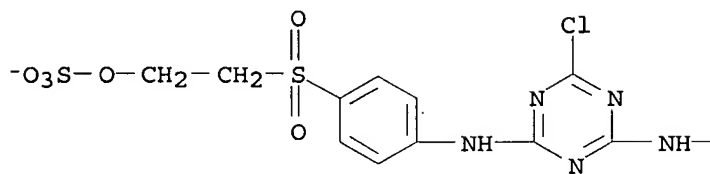
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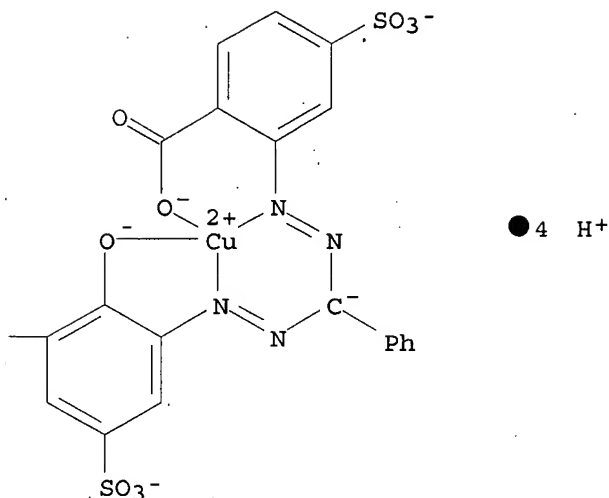
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CMF C31 H20 Cl Cu N9 O15 S4 . 4 H

CCI CCS

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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 3 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 865297-54-7 REGISTRY

ED Entered STN: 14 Oct 2005

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MF C35 H31 Cl N10 O25 S8 . C29 H23 Cu F N9 O12 S3 . 3 H

CI MXS

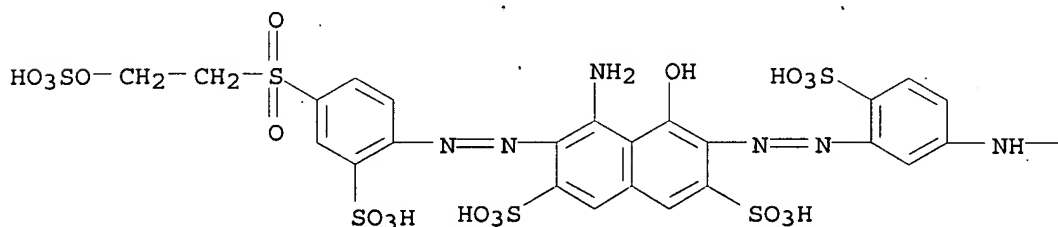
SR CA

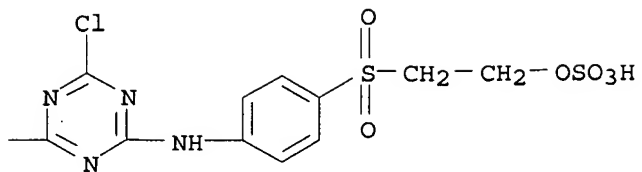
LC STN Files: CA, CAPLUS

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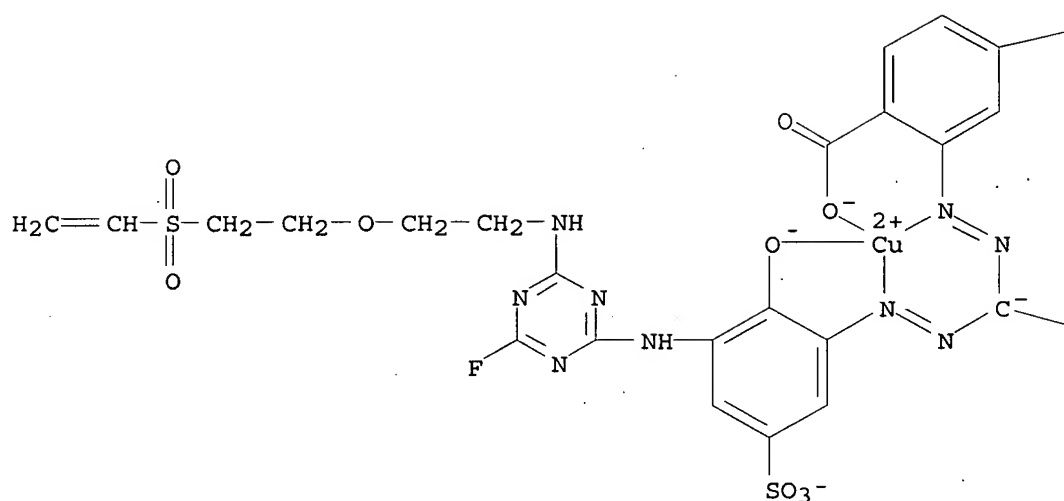
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CRN 133687-39-5 (743392-68-9)  
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 CCI CCS



-SO<sub>3</sub><sup>-</sup>

● 3 H<sup>+</sup>

-Ph

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 865297-53-6 REGISTRY  
 ED Entered STN: 14 Oct 2005

CN Cuprate(4-), [2-[[[2-hydroxy-3-sulfo-5-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]phenylmethyl]azo]-4-sulfobenzoato(6-)]-, tetrahydrogen, mixt. with 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-2,7-naphthalenedisulfonic acid (9CI)  
(CA INDEX NAME)

MF C35 H31 Cl N10 O25 S8 . C22 H14 Cu N4 O15 S4 . 4 H

CI MXS

SR CA

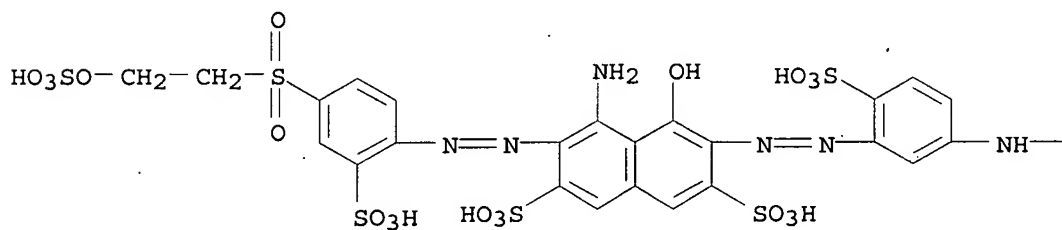
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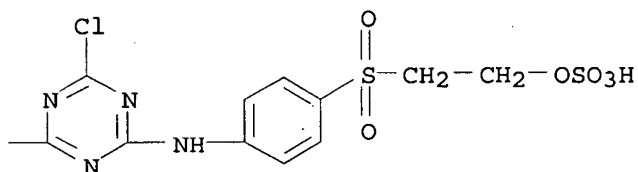
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CMF C35 H31 Cl N10 O25 S8

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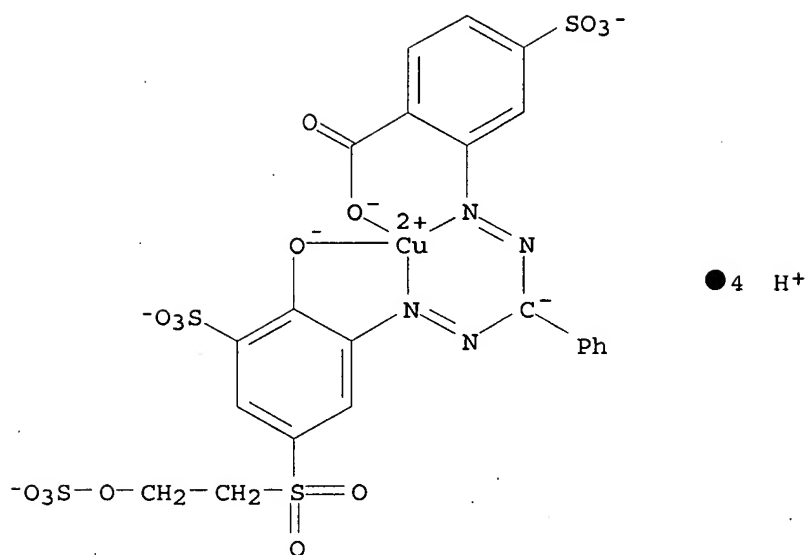


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CMF C22 H14 Cu N4 O15 S4 . 4 H

CCI CCS



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 865297-52-5 REGISTRY

ED Entered STN: 14 Oct 2005

CN 2,7-Naphthalenedisulfonic acid, 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-, mixt. with 1-amino-4-[[3-[[4-chloro-6-[[2-[2-[(2-chloroethyl)sulfonyl]ethoxy]ethyl]amino]-1,3,5-triazin-2-yl]amino]-4-methyl-5-sulfophenyl]amino]-9,10-dihydro-9,10-dioxo-2-anthracenesulfonic acid (9CI) (CA INDEX NAME)

MF C35 H31 Cl N10 O25 S8 . C30 H29 Cl2 N7 O11 S3

CI MXS

SR CA

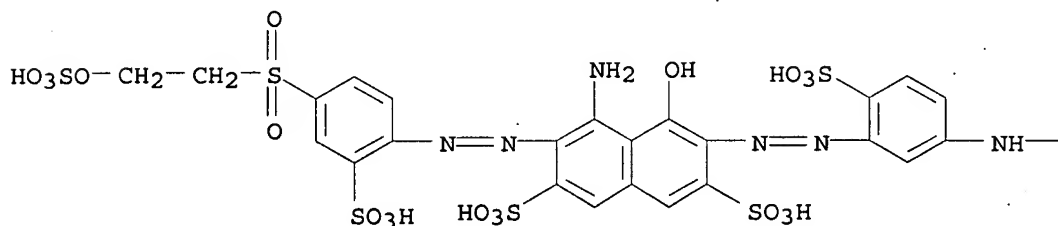
LC STN Files: CA, CAPLUS

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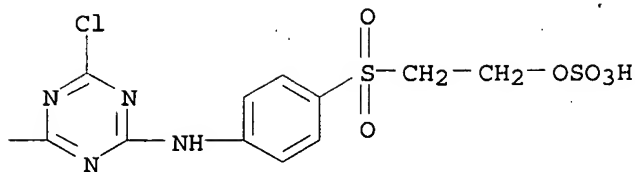
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CMF C35 H31 Cl N10 O25 S8

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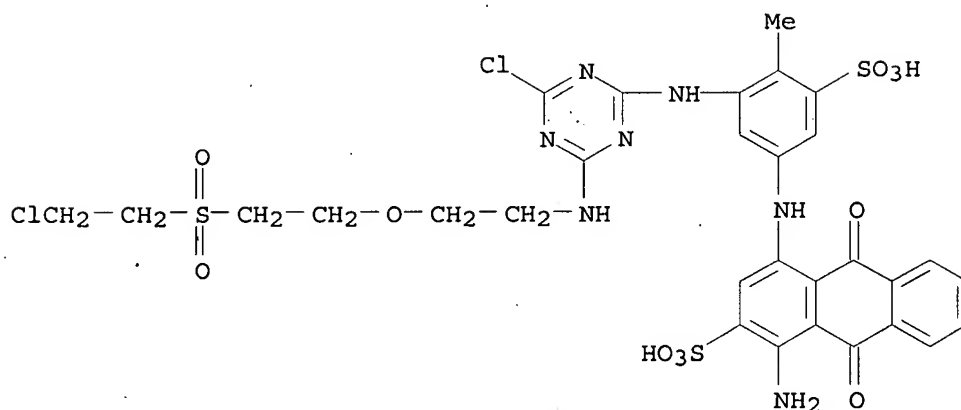




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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 6 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 865297-51-4 REGISTRY

ED Entered STN: 14 Oct 2005

CN 2,7-Naphthalenedisulfonic acid, 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulphophenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-, mixt. with 1-amino-9,10-dihydro-9,10-dioxo-4-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-2-anthracenesulfonic acid (9CI)  
(CA INDEX NAME)

MF C35 H31 Cl N10 O25 S8 . C22 H18 N2 O11 S3

CI MXS

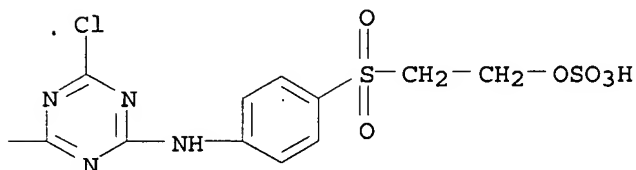
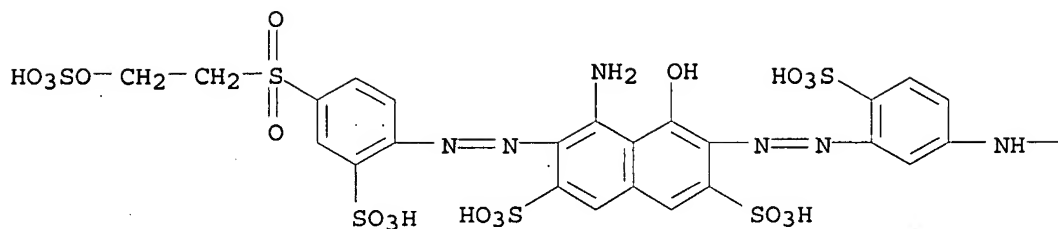
SR CA

LC STN Files: CA, CAPLUS

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CRN 748766-76-9

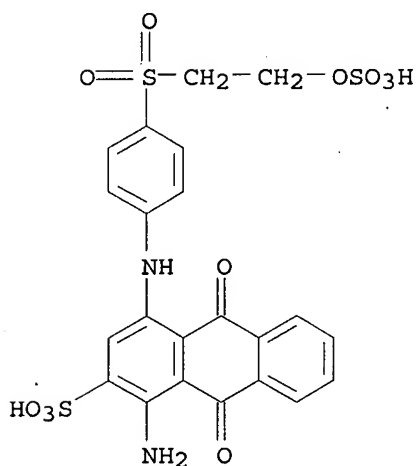
CMF C35 H31 Cl N10 O25 S8



CM 2

CRN 27184-55-0

CMF C22 H18 N2 O11 S3



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 865297-50-3 REGISTRY

ED Entered STN: 14 Oct 2005

CN 2,7-Naphthalenedisulfonic acid, 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulphophenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-, mixt. with 1-amino-9,10-dihydro-4-[[2-methoxy-5-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-9,10-dioxo-2-anthracenesulfonic acid (9CI) (CA INDEX NAME)

MF C35 H31 Cl N10 O25 S8 . C23 H20 N2 O12 S3

CI MXS

SR CA

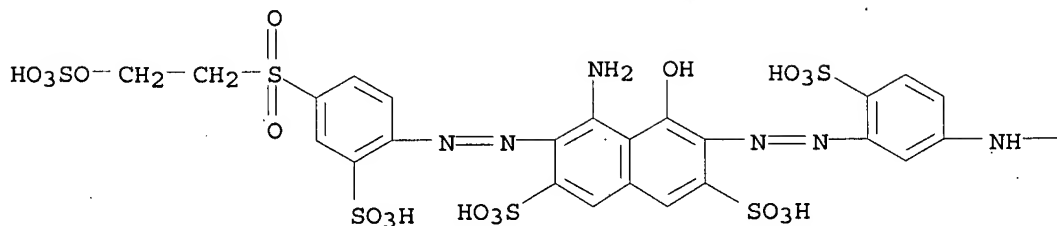
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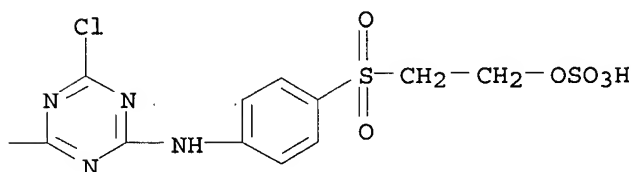
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CMF C35 H31 Cl N10 O25 S8

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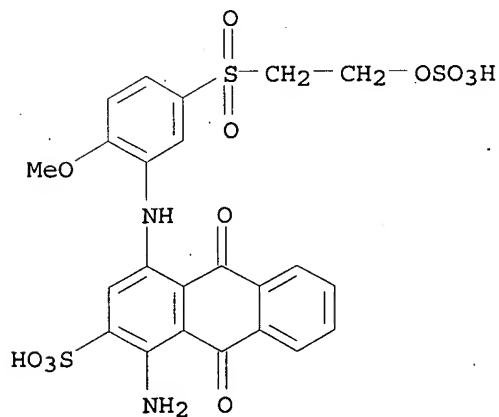
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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 865297-49-0 REGISTRY

ED Entered STN: 14 Oct 2005

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yl]azo]-, mixt. with 2-[[4-[[3-[(4-amino-9,10-dihydro-9,10-dioxo-3-sulfo-1-anthracenyl)amino]-2,2-dimethylpropyl]amino]-6-fluoro-1,3,5-triazin-2-yl]amino]-1,4-benzenedisulfonic acid (9CI) (CA INDEX NAME)

MF C35 H31 Cl N10 O25 S8 . C28 H26 F N7 O11 S3

CI MXS

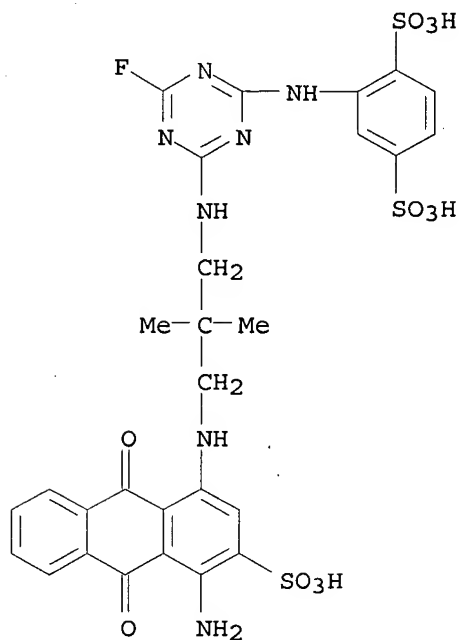
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LC STN Files: CA, CAPLUS

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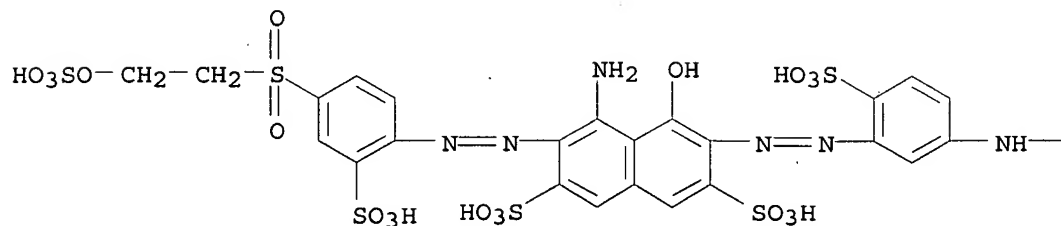


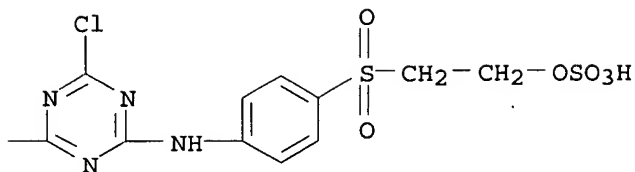
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CMF C35 H31 Cl N10 O25 S8

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1 REFERENCES IN FILE CA (1907 TO DATE)

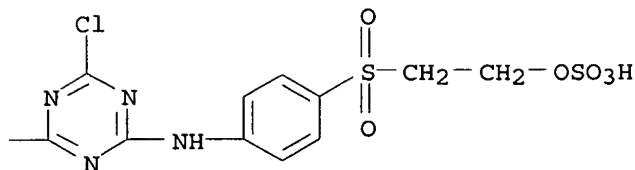
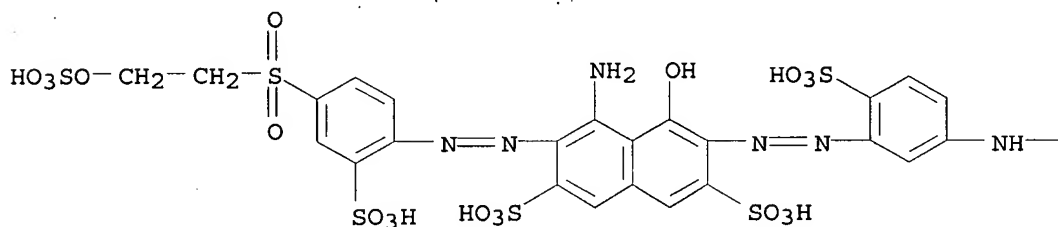
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L2 ANSWER 9 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN  
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 ED Entered STN: 14 Oct 2005  
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 SR CA  
 LC STN Files: CA, CAPLUS

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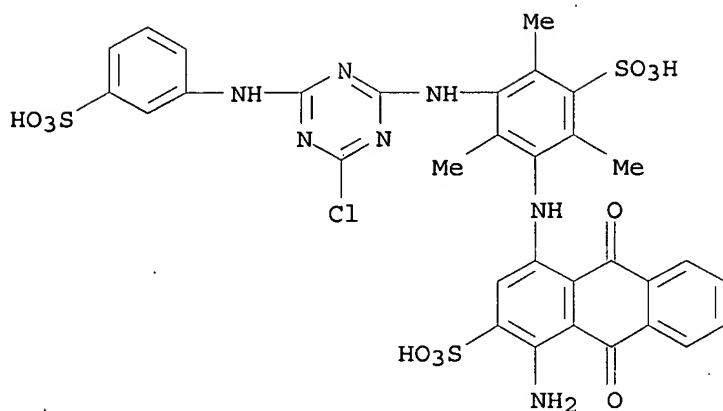
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CM 2

CRN 105936-74-1

CMF C32 H26 Cl N7 O11 S3



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 10 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 865297-46-7 REGISTRY

ED Entered STN: 14 Oct 2005

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CI MXS

SR CA

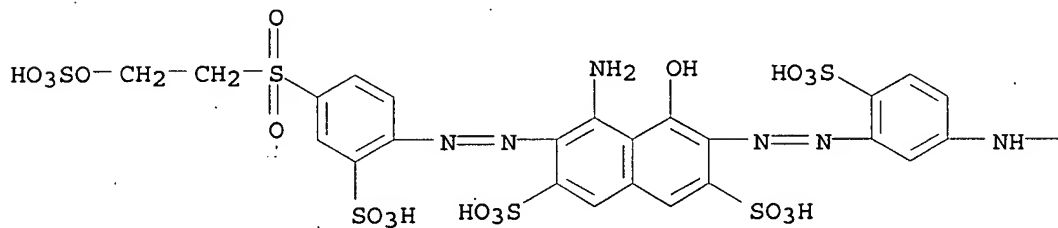
LC STN Files: CA, CAPLUS

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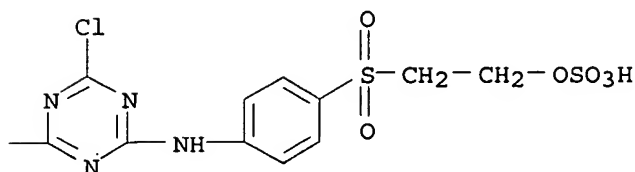
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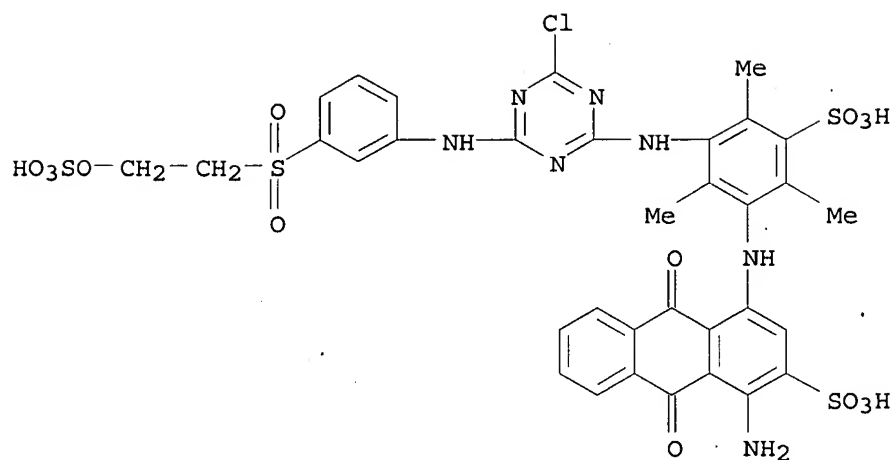
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CM 2

CRN 732940-98-6

CMF C34 H30 Cl N7 O14 S4



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 11 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 865297-45-6 REGISTRY

ED Entered STN: 14 Oct 2005

CN 2,7-Naphthalenedisulfonic acid, 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfophenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-, mixt. with 1-amino-9,10-dihydro-9,10-dioxo-4-[[3-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-2-anthracenesulfonic acid (9CI)  
(CA INDEX NAME)

MF C35 H31 Cl N10 O25 S8 . C22 H18 N2 O11 S3

CI MXS

SR CA

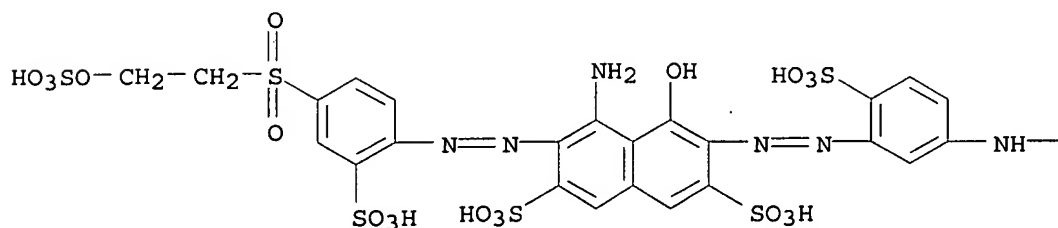
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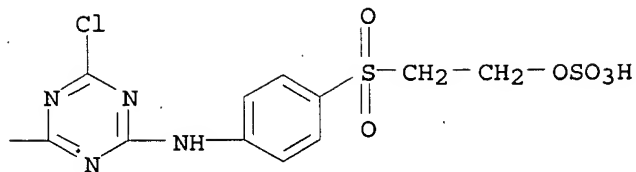
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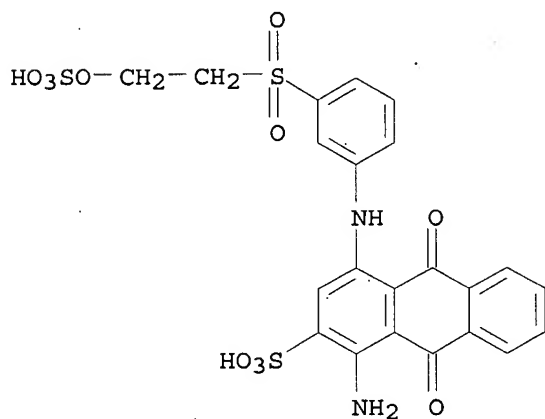




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CMF C22 H18 N2 O11 S3



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 12 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 865297-44-5 REGISTRY

ED Entered STN: 14 Oct 2005

CN 2,7-Naphthalenedisulfonic acid, 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfo-4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]azo]-, mixt. with 4-amino-5-hydroxy-6-[[2-methoxy-5-methyl-4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]azo]-3-[[4-[[2-(sulfoxy)ethyl]sulfonyl]phenyl]azo]-2,7-naphthalenedisulfonic acid (9CI)  
(CA INDEX NAME)

MF C35 H31 Cl N10 O25 S8 . C28 H29 N5 O20 S6

CI MXS

SR CA

LC STN Files: CA, CAPLUS

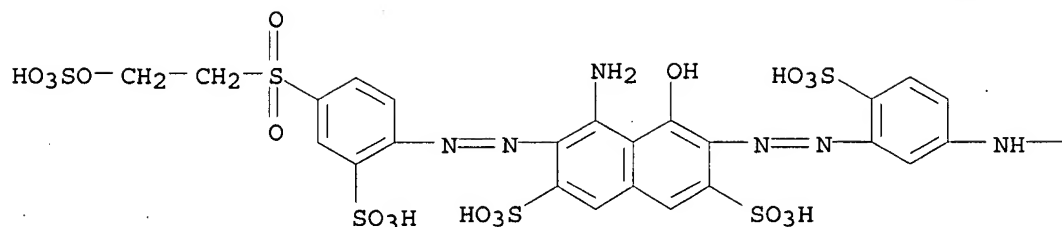
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CRN 748766-76-9

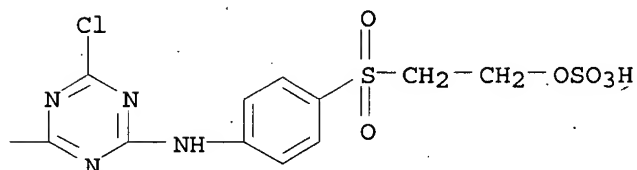
CMF C35 H31 Cl N10 O25 S8



PAGE 1-A



PAGE 1-B

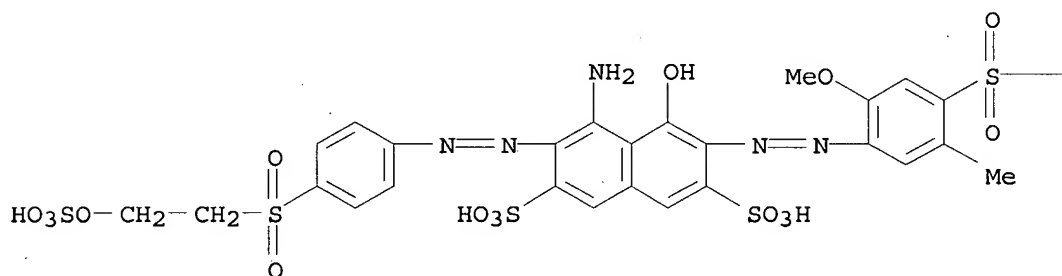


CM 2

CRN 85959-30-4

CMF C28 H29 N5 O20 S6

PAGE 1-A



PAGE 1-B

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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 13 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 865297-43-4 REGISTRY

ED Entered STN: 14 Oct 2005

CN 2,7-Naphthalenedisulfonic acid, 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulphophenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-, mixt. with 4-amino-5-hydroxy-3,6-bis[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-2,7-naphthalenedisulfonic acid (9CI) (CA INDEX NAME)

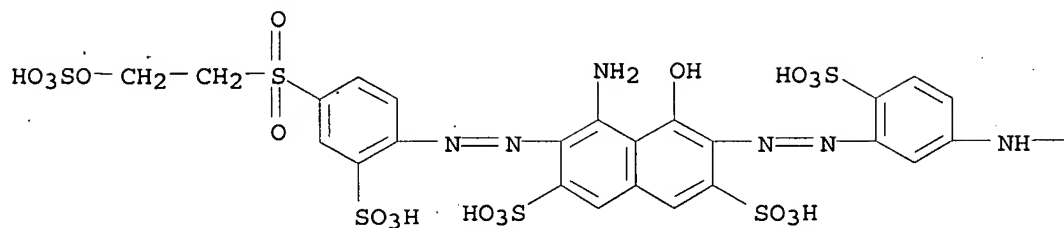
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CI MXS  
 SR CA  
 LC STN Files: CA, CAPLUS

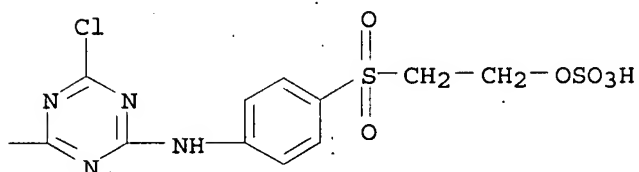
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PAGE 1-A



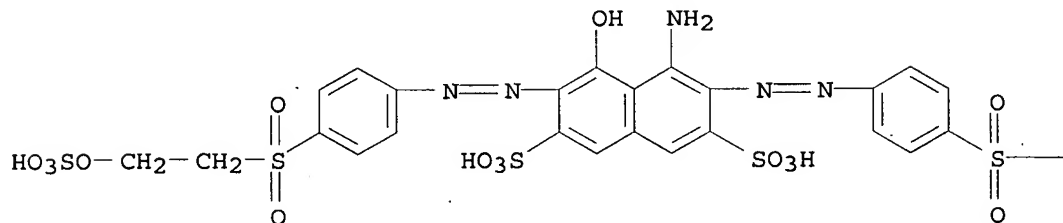
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PAGE 1-A



PAGE 1-B

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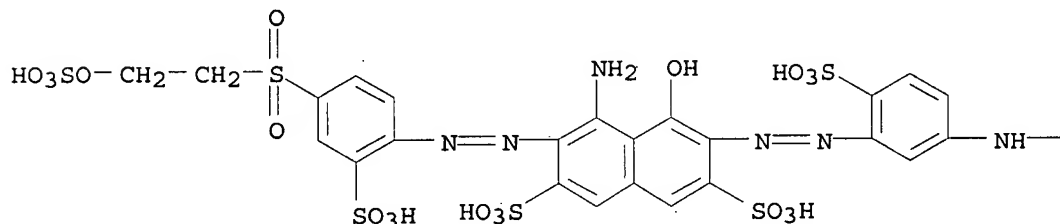
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L2 ANSWER 14 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN  
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 ED Entered STN: 14 Oct 2005  
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 (CA INDEX NAME)  
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 CI MXS  
 SR CA  
 LC STN Files: CA, CAPLUS

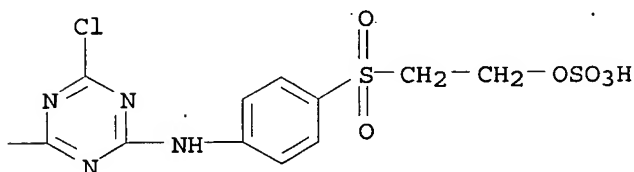
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CRN 748766-76-9  
 CMF C35 H31 Cl N10 O25 S8

PAGE 1-A



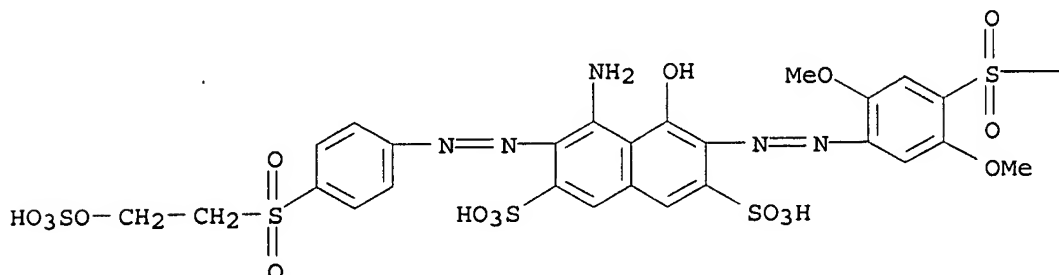
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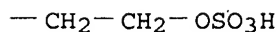


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PAGE 1-A





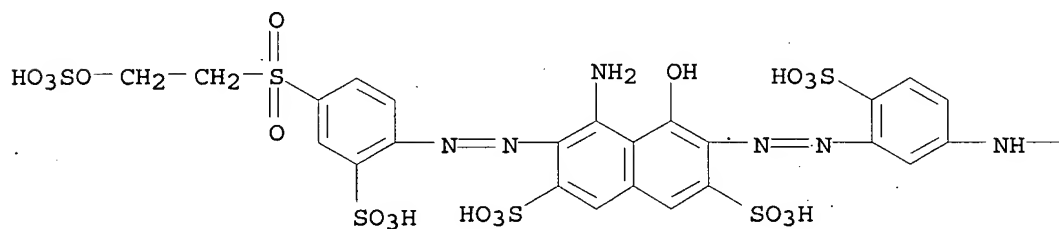
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 15 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 865297-41-2 REGISTRY  
ED Entered STN: 14 Oct 2005  
CN 2,7-Naphthalenedisulfonic acid, 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulphophenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-, mixt. with 4-amino-5-hydroxy-6-[[2-methoxy-5-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-3-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-2,7-naphthalenedisulfonic acid (9CI)  
(CA INDEX NAME)  
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CI MXS  
SR CA  
LC STN Files: CA, CAPLUS

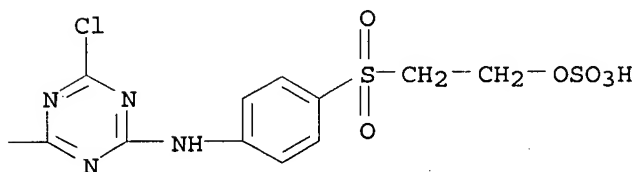
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CMF C35 H31 Cl N10 O25 S8

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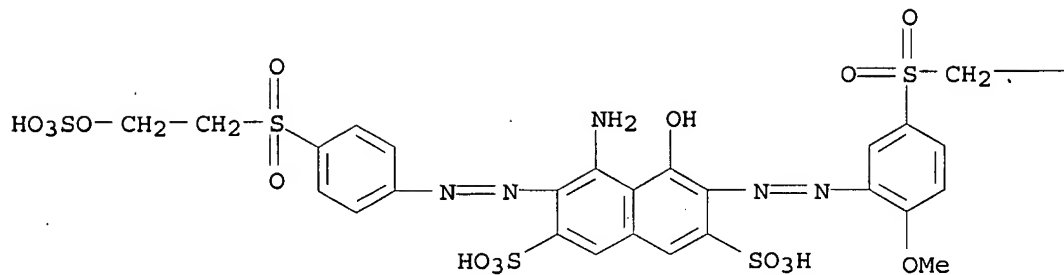


PAGE 1-B



CM 2

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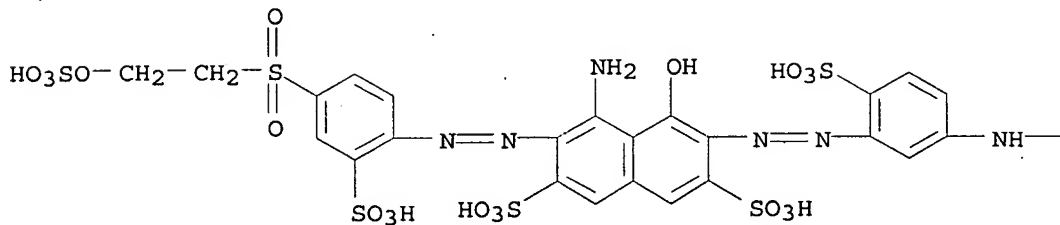
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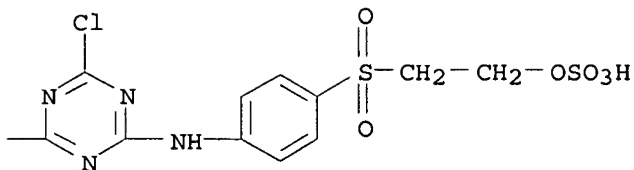
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 16 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 852807-03-5 REGISTRY  
ED Entered STN: 23 Jun 2005  
CN 1,5-Naphthalenedisulfonic acid, 2-[[8-[[4-chloro-6-[[3-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]azo]-, mixt. with 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfo-phenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-2,7-naphthalenedisulfonic acid (9CI) (CA INDEX NAME)  
MF C35 H31 Cl N10 O25 S8 . C31 H24 Cl N7 O19 S6  
CI MXS  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 748766-76-9  
CMF C35 H31 Cl N10 O25 S8

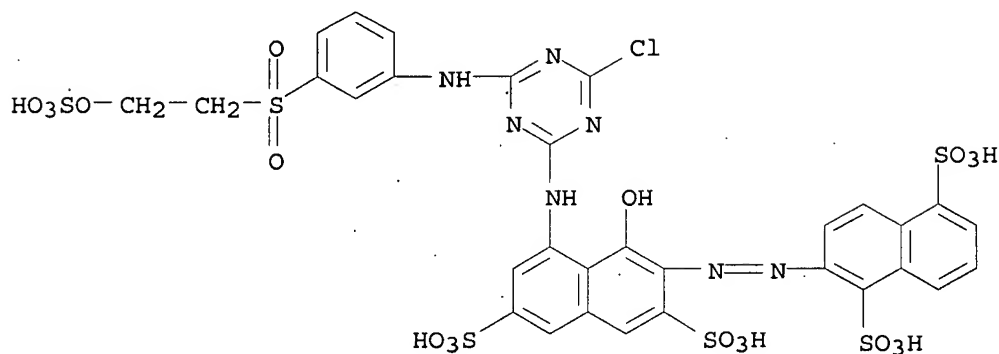




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1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 17 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 852807-02-4 REGISTRY

ED Entered STN: 23 Jun 2005

CN 1,5-Naphthalenedisulfonic acid, 2-[[8-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-1-hydroxy-3,6-disulfo-2-naphthalenyl]azo]-, mixt. with 4-amino-6-[[5-[[4-chloro-6-[[4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]amino]-1,3,5-triazin-2-yl]amino]-2-sulfo-phenyl]azo]-5-hydroxy-3-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-2,7-naphthalenedisulfonic acid (9CI) (CA INDEX NAME)

MF C35 H31 Cl N10 O25 S8 . C31 H24 Cl N7 O19 S6

CI MXS

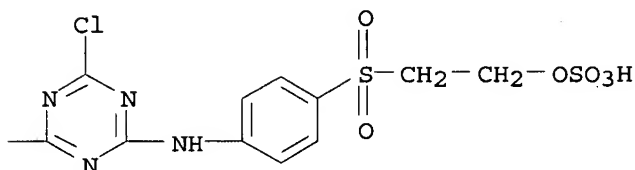
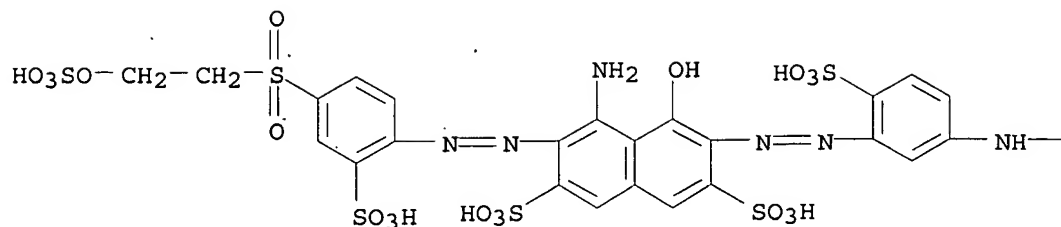
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LC STN Files: CA, CAPLUS, USPATFULL

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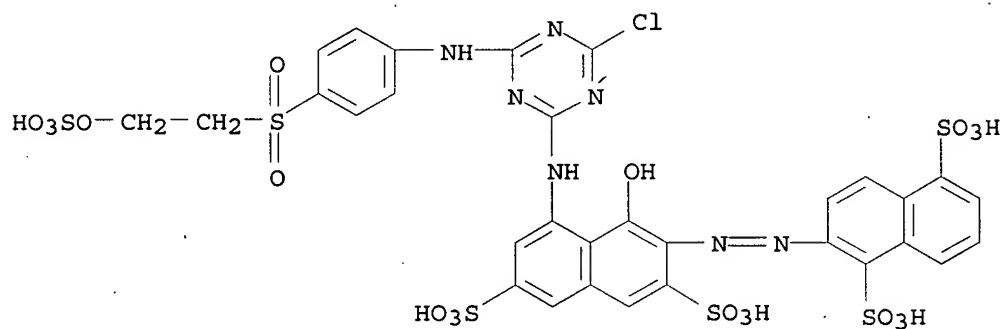
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CM 2

CRN 133608-49-8

CMF C31 H24 Cl N7 O19 S6



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 18 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN

RN 852807-01-3 REGISTRY

ED Entered STN: 23 Jun 2005

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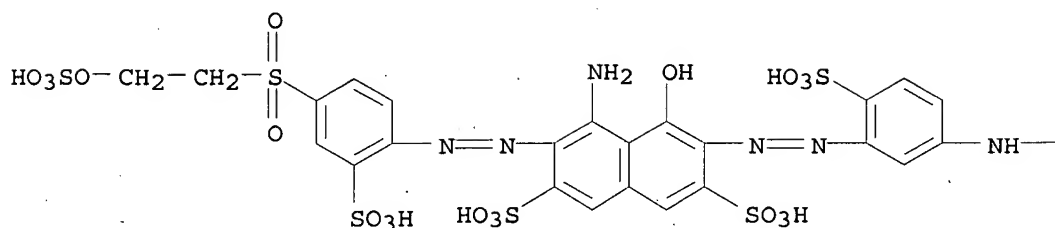
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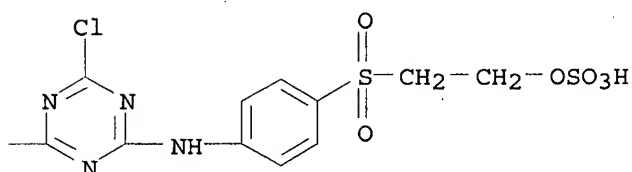
LC STN Files: CA, CAPLUS, USPATFULL

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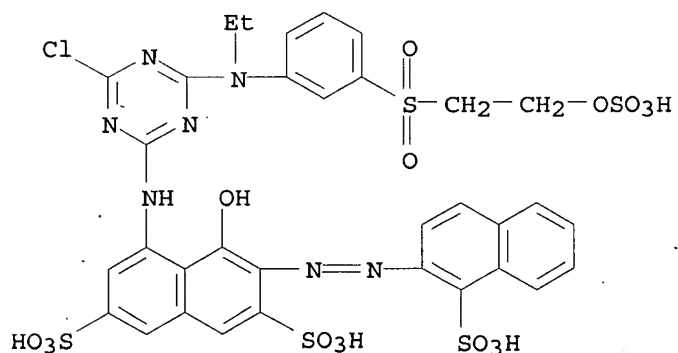
PAGE 1-A



PAGE 1-B



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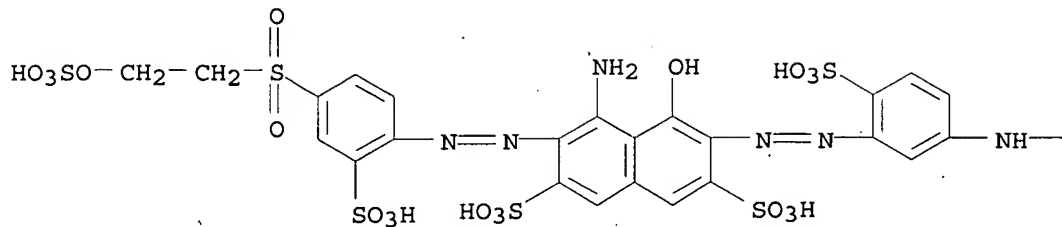


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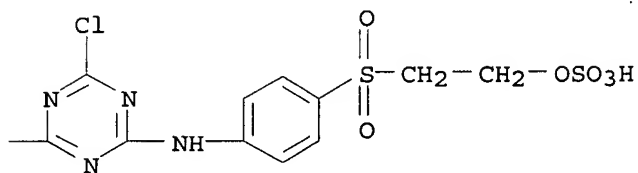


MF C35 H31 Cl N10 O25 S8  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS

PAGE 1-A



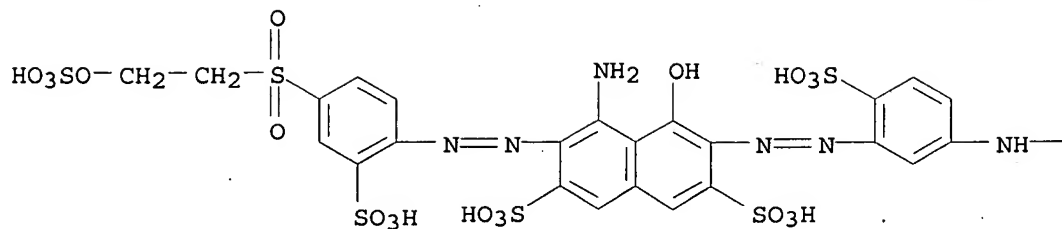
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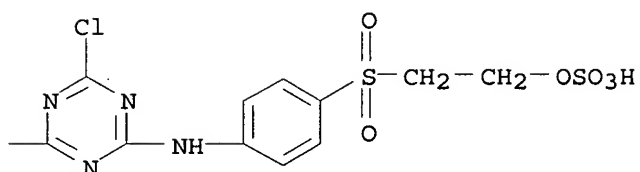
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 20 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 568539-30-0 REGISTRY  
 ED Entered STN: 18 Aug 2003  
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 SR CAS Client Services  
 CRN (748766-76-9)

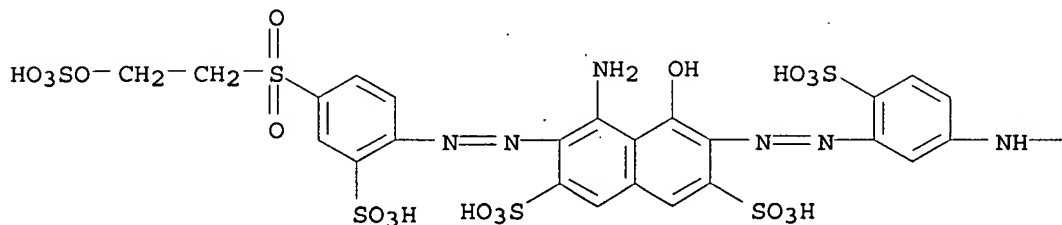


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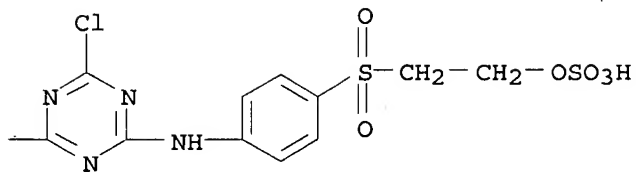
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L2 ANSWER 21 OF 21 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 503155-14-4 REGISTRY  
 ED Entered STN: 16 Apr 2003  
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 MF C35 H31 Cl N10 O25 S8 : 6 Na  
 SR CAS Client Services  
 CRN (748766-76-9)



● 6 Na



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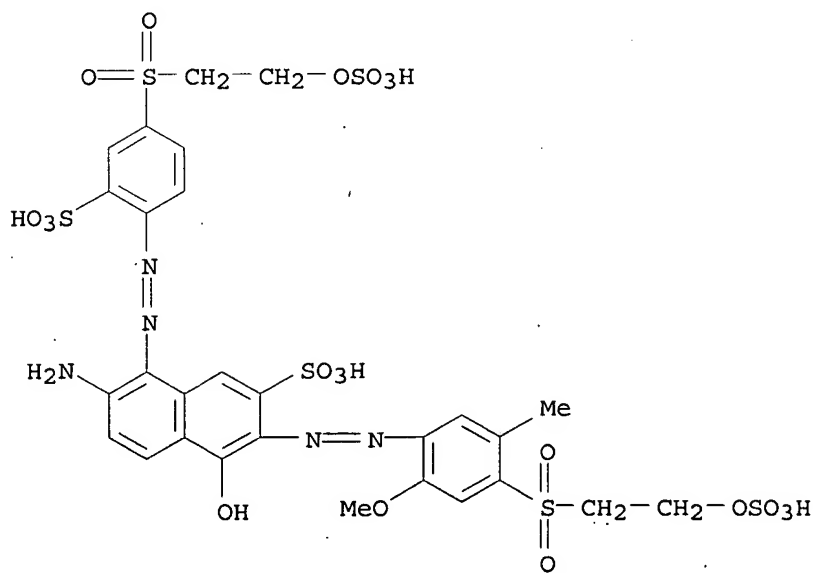
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LC STN Files: CAPLUS

CRN (718596-80-6)



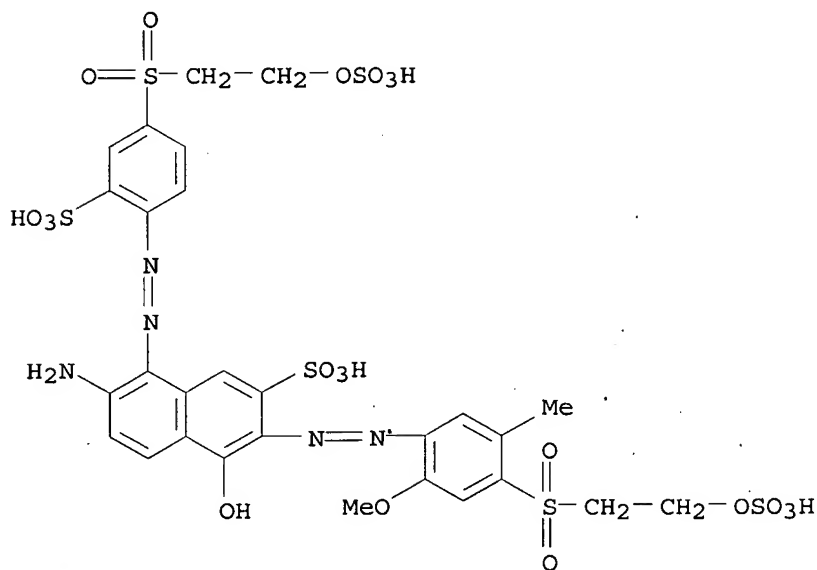
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 RN 862844-82-4 REGISTRY  
 ED Entered STN: 09 Sep 2005  
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 CI MXS  
 SR CA  
 LC STN Files: CA, CAPLUS

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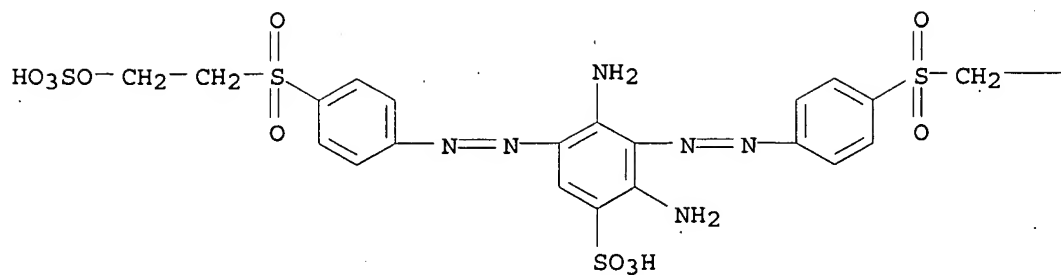
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CRN 215674-61-6  
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PAGE 1-A



PAGE 1-B

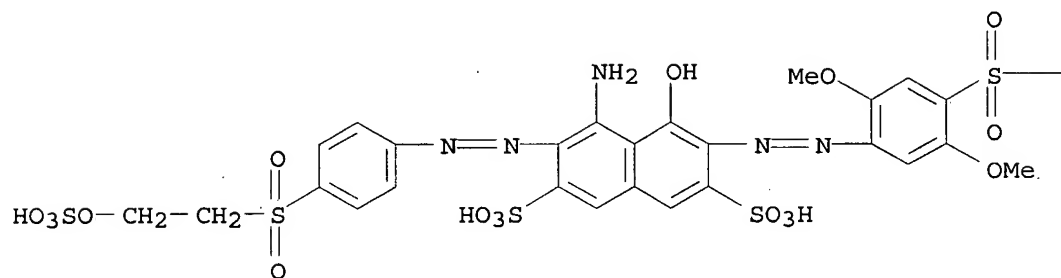
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CRN 68399-93-9

CMF C28 H29 N5 O21 S6

PAGE 1-A



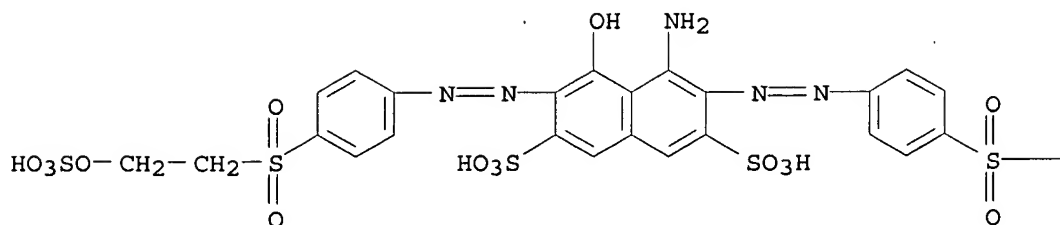
PAGE 1-B

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CM 4

CRN 55909-92-7

CMF C26 H25 N5 O19 S6



—CH<sub>2</sub>—CH<sub>2</sub>—OSO<sub>3</sub>H

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2008 ACS on STN

RN 850611-04-0 REGISTRY

ED Entered STN: 18 May 2005

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(CA INDEX NAME)

MF C31 H24 Cl N7 O19 S6 . C28 H29 N5 O20 S6

CI MXS

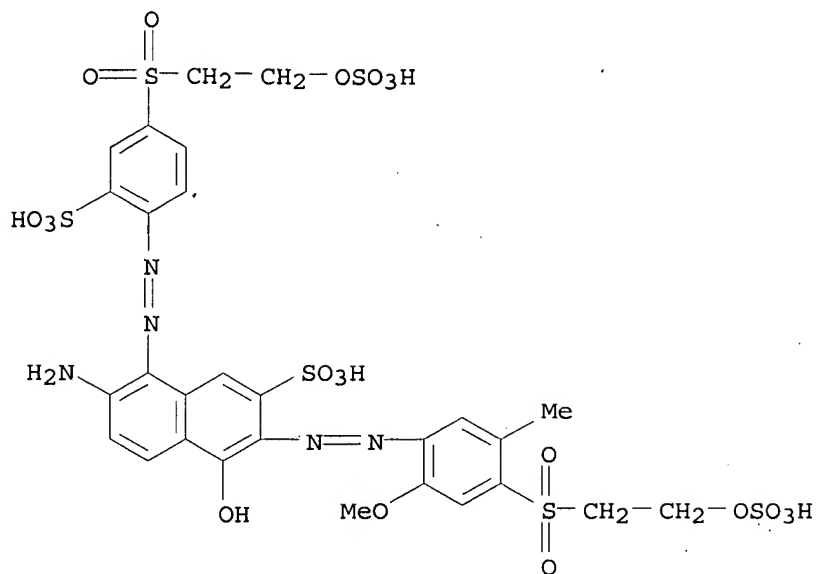
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LC STN Files: CA, CAPLUS, USPATFULL

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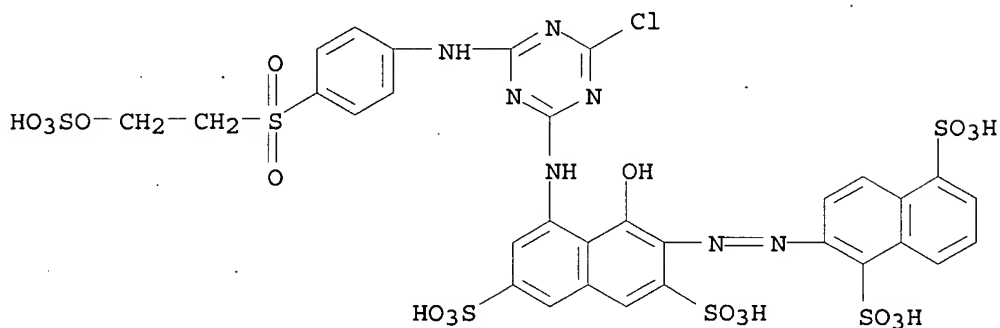
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CM 2

CRN 133608-49-8

CMF C31 H24 Cl N7 O19 S6



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2008 ACS on STN

RN 718596-80-6 REGISTRY

ED Entered STN: 28 Jul 2004

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OTHER CA INDEX NAMES:

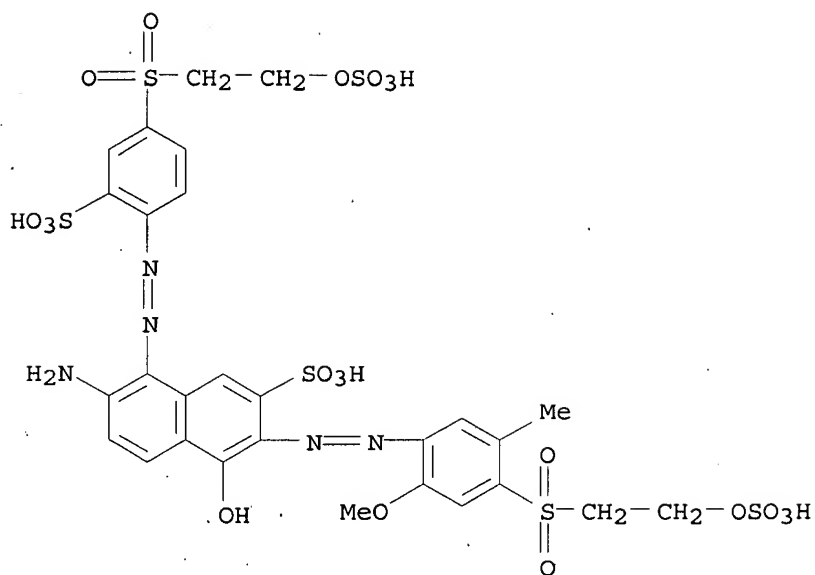
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MF C28 H29 N5 O20 S6

CI COM

SR CA

LC STN Files: CA, CAPLUS

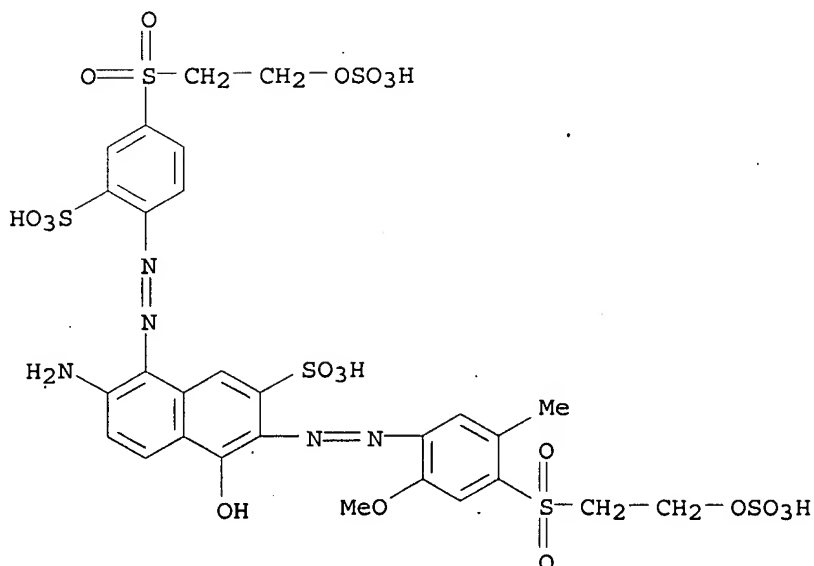


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L4 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2008 ACS on STN  
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ED Entered STN: 18 Aug 2003  
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MF C28 H29 N5 O20 S6 . x K . x Na  
SR CAS Client Services  
CRN (718596-80-6)

PAGE 1-A





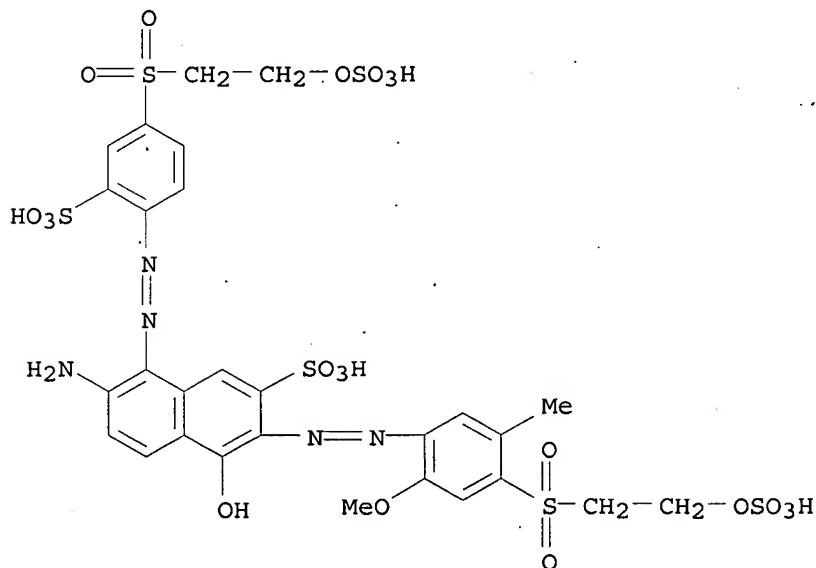
●x K

●x Na

L4 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2008 ACS on STN  
 RN 503155-49-5 REGISTRY  
 ED Entered STN: 16 Apr 2003  
 CN 2-Naphthalenesulfonic acid, 7-amino-4-hydroxy-3-[2-[2-methoxy-5-methyl-4-  
 [[2-(sulfooxy)ethyl]sulfonyl]phenyl]diazenyl]-8-[2-[2-sulfo-4-[[2-  
 (sulfooxy)ethyl]sulfonyl]phenyl]diazenyl]-, sodium salt (1:4) (CA INDEX  
 NAME)

OTHER CA INDEX NAMES:

CN 2-Naphthalenesulfonic acid, 7-amino-4-hydroxy-3-[[2-methoxy-5-methyl-4-[[2-  
 (sulfooxy)ethyl]sulfonyl]phenyl]azo]-8-[[2-sulfo-4-[[2-  
 (sulfooxy)ethyl]sulfonyl]phenyl]azo]-, tetrasodium salt (9CI)  
 MF C28 H29 N5 O20 S6 . 4 Na  
 SR CAS Client Services  
 LC STN Files: CA, CAPLUS, USPATFULL  
 CRN (718596-80-6)



●4 Na

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus  
COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
412.10	412.31

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FILE COVERS 1907 - 27 Mar 2008 VOL 148 ISS 13  
FILE LAST UPDATED: 26 Mar 2008 (20080326/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

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1 718596-80-6  
0 718596-80-6D  
L5 1 718596-80-6/RN  
(718596-80-6 (NOTL) 718596-80-6D )

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L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2007:1468867 CAPLUS  
DN 148:101973  
TI Dye mixtures of reactive azo dyes, production and use thereof  
IN Ehrenberg, Stefan  
PA Dystar Textilfarben G.m.b.H. & Co Deutschland KG, Germany  
SO PCT Int. Appl., 75pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007147774	A2	20071227	WO 2007-EP55916	20070614
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

DE 102006028229 A1 20080110 DE 2006-102006028229 20060620  
PRAI DE 2006-102006028229 A 20060620

=> s 748766-76-9 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

L7 1 L6

=> s 748766-76-9/rn full

1 748766-76-9

0 748766-76-9D

L8 1 748766-76-9/RN

(748766-76-9 (NOTL) 748766-76-9D )

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.84

425.54

FILE 'CAPLUS' ENTERED AT 12:41:27 ON 27 MAR 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 27 Mar 2008 VOL 148 ISS 13

FILE LAST UPDATED: 26 Mar 2008 (20080326/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 748766-76-9/rn full

1 748766-76-9

0 748766-76-9D

L9 1 748766-76-9/RN

(748766-76-9 (NOTL) 748766-76-9D )

=> d 19 1

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2007:1468867 CAPLUS

DN 148:101973

TI Dye mixtures of reactive azo dyes, production and use thereof  
IN Ehrenberg, Stefan  
PA Dystar Textilfarben G.m.b.H. & Co Deutschland KG, Germany  
SO PCT Int. Appl., 75pp.  
CODEN: PIXXD2

DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007147774	A2	20071227	WO 2007-EP55916	20070614
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	DE 102006028229	A1	20080110	DE 2006-102006028229	20060620
PRAI	DE 2006-102006028229	A	20060620		

=> s 12 full

L10 3 L2

=> d 110 1-3

L10 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2007:1468867 CAPLUS

DN 148:101973

TI Dye mixtures of reactive azo dyes, production and use thereof

IN Ehrenberg, Stefan

PA Dystar Textilfarben G.m.b.H. & Co Deutschland KG, Germany

SO PCT Int. Appl., 75pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007147774	A2	20071227	WO 2007-EP55916	20070614
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
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	DE 102006028229	A1	20080110	DE 2006-102006028229	20060620
PRAI	DE 2006-102006028229	A	20060620		

L10 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2005:1042345 CAPLUS

DN 143:348672

TI Mixtures of reactive dyes and their use  
IN Tzikas, Athanassios; Roentgen, Georg  
PA Ciba Specialty Chemicals Holding Inc., Switz.  
SO PCT Int. Appl., 31 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005090485	A1	20050929	WO 2005-EP51037	20050309
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	EP 1725618	A1	20061129	EP 2005-716960	20050309
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	CN 1934195	A	20070321	CN 2005-80008734	20050309
	BR 2005008958	A	20070814	BR 2005-8958	20050309
	MX 2006PA10605	A	20070419	MX 2006-PA10605	20060918
	IN 2006CN03850	A	20070615	IN 2006-CN3850	20061018
PRAI	EP 2004-101142	A	20040319		
	WO 2005-EP51037	W	20050309		

OS MARPAT 143:348672

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10. ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2005:493653 CAPLUS

DN 143:28077

TI Mixtures of reactive dyes and their use  
IN Tzikas, Athanassios; Roentgen, Georg  
PA Ciba Specialty Chemicals Holding Inc., Switz.  
SO PCT Int. Appl., 24 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005052063	A2	20050609	WO 2004-EP52844	20041108
	WO 2005052063	A3	20050915		
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	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1685197	A2	20060802	EP 2004-817560	20041108
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				

CN 1882661	A	20061220	CN 2004-80033591	20041108
US 2007124875	A1	20070607	US 2006-579364	20060515
IN 2006CN01747	A	20070629	IN 2006-CN1747	20060518
PRAI EP 2003-104263	A	20031118		
WO 2004-EP52844	W	20041108		
OS MARPAT 143:28077				

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REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
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FULL SCREEN SEARCH COMPLETED - 349 TO ITERATE

100.0% PROCESSED 349 ITERATIONS 6 ANSWERS  
SEARCH TIME: 00.00.01

L11 6 SEA SSS FUL L3

L12 6 L11

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.48	615.38

FULL ESTIMATED COST

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FILE COVERS 1907 - 27 Mar 2008 VOL 148 ISS 13  
FILE LAST UPDATED: 26 Mar 2008 (20080326/ED)

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=> s l3 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:44:20 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 349 TO ITERATE

100.0% PROCESSED 349 ITERATIONS 6 ANSWERS  
SEARCH TIME: 00.00.01

L13 6 SEA SSS FUL L3

L14 6 L13

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L14 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2008:186861 CAPLUS  
TI High-concentration composite reactive dye  
IN Lu, Rongwen; Gao, Kunyu  
PA Dalian University of Technology, Peop. Rep. China  
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 24pp.  
CODEN: CNXXEV  
DT Patent  
LA Chinese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 101117449	A	20080206	CN 2007-10012746	20070904
PRAI	CN 2007-10012746		20070904		

L14 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2007:1468867 CAPLUS  
DN 148:101973  
TI Dye mixtures of reactive azo dyes, production and use thereof  
IN Ehrenberg, Stefan  
PA Dystar Textilfarben G.m.b.H. & Co Deutschland KG, Germany  
SO PCT Int. Appl., 75pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007147774	A2	20071227	WO 2007-EP55916	20070614
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
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PRAI	DE 2006-102006028229	A	20060620		

L14 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2007:410767 CAPLUS  
DN 146:403636

TI Azo reactive dyes and mixtures of fiber-reactive azo dyes, their preparation and their use  
 IN Eichhorn, Joachim; Meier, Stefan; Russ, Werner  
 PA Dystar Textilfarben GmbH & Co Deutschland KG, Germany  
 SO PCT Int. Appl., 158pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007039573	A2	20070412	WO 2006-EP66911	20060929
	WO 2007039573	A3	20071129		
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	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
	DE 102005047391	A1	20070412	DE 2005-102005047391	20051005
PRAI	DE 2005-102005047391 A		20051005		
OS	MARPAT 146:403636				

L14 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:962348 CAPLUS  
 DN 143:231380  
 TI Mixtures of reactive dyes and their use  
 IN Hannemann, Klaus  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO PCT Int. Appl., 35 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005080508	A1	20050901	WO 2005-EP50477	20050204
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PRAI	EP 2004-100554	A	20040213		
	WO 2005-EP50477	W	20050204		
OS	MARPAT 143:231380				

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT



L14 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:395401 CAPLUS  
 DN 142:431537  
 TI Mixtures of reactive azo dyes and their use for textile printing  
 IN Tzikas, Athanassios; Roentgen, Georg; Fekete, Laszlo  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO PCT Int. Appl., 41 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005040285	A1	20050506	WO 2004-EP52489	20041011
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1675915	A1	20060705	EP 2004-766882	20041011
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	CN 1871308	A	20061129	CN 2004-80030829	20041011
	US 2007032641	A1	20070208	US 2006-576056	20060418
	IN 2006CN01346	A	20070706	IN 2006-CN1346	20060419
PRAI	EP 2003-103865	A	20031020		
	WO 2004-EP52489	W	20041011		

OS MARPAT 142:431537

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2003:777902 CAPLUS  
 DN 139:293419  
 TI Mixtures of reactive azo dyes, their production and their use  
 IN Eichhorn, Joachim; Russ, Werner; Meier, Stefan; Mrotzeck, Uwe  
 PA Dystar Textilfarben G.m.b.H. & Co. Deutschland K.-G., Germany  
 SO PCT Int. Appl., 220 pp.  
 CODEN: PIXXD2

DT Patent  
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003080739	A1	20031002	WO 2003-EP2836	20030318
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10212769	A1	20031002	DE 2002-10212769	20020322
	DE 10212770	A1	20031002	DE 2002-10212770	20020322
	DE 10217476	A1	20031106	DE 2002-10217476	20020419

DE 10217478	A1	20031106	DE 2002-10217478	20020419
DE 10309406	A1	20040916	DE 2003-10309406	20030305
CA 2477718	A1	20031002	CA 2003-2477718	20030318
AU 2003222770	A1	20031008	AU 2003-222770	20030318
EP 1490441	A1	20041229	EP 2003-718695	20030318
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008755	A	20050111	BR 2003-8755	20030318
JP 2005520909	T	20050714	JP 2003-578477	20030318
CN 1643079	A	20050720	CN 2003-806584	20030318
IN 2004KN01166	A	20060512	IN 2004-KN1166	20040812
MX 2004PA09131	A	20041207	MX 2004-PA9131	20040921
US 2005166339	A1	20050804	US 2004-508630	20041013
ZA 200406383	A	20060531	ZA 2004-6383	20060327
PRAI DE 2002-10212769	A	20020322		
DE 2002-10212770	A	20020322		
DE 2002-10217476	A	20020419		
DE 2002-10217478	A	20020419		
DE 2003-10309406	A	20030305		
WO 2003-EP2836	W	20030318		
OS MARPAT 139:293419				
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	9.66	803.88

FILE 'REGISTRY' ENTERED AT 12:47:16 ON 27 MAR 2008  
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 DICTIONARY FILE UPDATES: 26 MAR 2008 HIGHEST RN 1010293-80-7

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 conducting SmartSELECT searches.

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 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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L15 STRUCTURE UPLOADED

=> s l15 full  
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100.0% PROCESSED 458 ITERATIONS  
SEARCH TIME: 00.00.01

22 ANSWERS

L16 22 SEA SSS FUL L15

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L17 STRUCTURE UPLOADED

=> s l17 full

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100.0% PROCESSED 1483 ITERATIONS  
SEARCH TIME: 00.00.01

18 ANSWERS

L18 18 SEA SSS FUL L17

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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1160.60

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STRUCTURE FILE UPDATES: 26 MAR 2008 HIGHEST RN 1010293-80-7  
DICTIONARY FILE UPDATES: 26 MAR 2008 HIGHEST RN 1010293-80-7

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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1161.06

FILE 'CAPLUS' ENTERED AT 12:48:26 ON 27 MAR 2008  
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FILE LAST UPDATED: 26 Mar 2008 (20080326/ED)

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=> s l17 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:48:34 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1483 TO ITERATE

100.0% PROCESSED 1483 ITERATIONS  
SEARCH TIME: 00.00.01

18 ANSWERS

L19 18 SEA SSS FUL L17

L20 14 L19

=> s l18 full

L21 14 L18

=> s l17 and l18 full

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 12:48:47 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1483 TO ITERATE

100.0% PROCESSED 1483 ITERATIONS  
SEARCH TIME: 00.00.01

18 ANSWERS

L22 18 SEA SSS FUL L17

L23 14 L22

14 L18

L24 14 L23 AND L18

=> d l24 1-14

L24 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2008:186861 CAPLUS  
 TI High-concentration composite reactive dye  
 IN Lu, Rongwen; Gao, Kunyu  
 PA Dalian University of Technology, Peop. Rep. China  
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 24pp.  
 CODEN: CNXXEV  
 DT Patent  
 LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 101117449	A	20080206	CN 2007-10012746	20070904
PRAI	CN 2007-10012746		20070904		

L24 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2007:1468867 CAPLUS  
 DN 148:101973  
 TI Dye mixtures of reactive azo dyes, production and use thereof  
 IN Ehrenberg, Stefan  
 PA Dystar Textilfarben G.m.b.H. & Co Deutschland KG, Germany  
 SO PCT Int. Appl., 75pp.  
 CODEN: PIXXD2

DT Patent  
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007147774	A2	20071227	WO 2007-EP55916	20070614
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	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	DE 102006028229	A1	20080110	DE 2006-102006028229	20060620
PRAI	DE 2006-102006028229	A	20060620		

L24 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2007:410767 CAPLUS  
 DN 146:403636  
 TI Azo reactive dyes and mixtures of fiber-reactive azo dyes, their preparation and their use  
 IN Eichhorn, Joachim; Meier, Stefan; Russ, Werner  
 PA Dystar Textilfarben GmbH & Co Deutschland KG, Germany  
 SO PCT Int. Appl., 158pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007039573	A2	20070412	WO 2006-EP66911	20060929
	WO 2007039573	A3	20071129		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,				

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 MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS,  
 RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ,  
 UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

DE 102005047391 A1 20070412 DE 2005-102005047391 20051005  
 PRAI DE 2005-102005047391 A 20051005  
 OS MARPAT 146:403636

L24 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2006:1213583 CAPLUS  
 DN 146:28829  
 TI Active azo black black dye composition  
 IN Liu, Weibin; Yang, Peng; Yan, Qinhua; Wang, Xiaoyong; Sha, Zhenzhong  
 PA Hubei Hwalle Dye Industrial Co., Ltd., Peop. Rep. China  
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 15pp.  
 CODEN: CNXXEV  
 DT Patent  
 LA Chinese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1861694	A	20061115	CN 2006-10082903	20060619
PRAI	CN 2006-10082903		20060619		
OS	MARPAT 146:28829				

L24 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2006:1191758 CAPLUS  
 DN 146:28828  
 TI Manufacture of active dye composition for dyeing of cellulose or protein fiber  
 IN Zhao, Guosheng; Luo, Quannan; Ye, Yaoliang  
 PA Zhejiang Runtu Co., Ltd., Peop. Rep. China  
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10pp.  
 CODEN: CNXXEV  
 DT Patent  
 LA Chinese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1858118	A	20061108	CN 2006-10051926	20060609
PRAI	CN 2006-10051926		20060609		

L24 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2006:316376 CAPLUS  
 DN 144:490224  
 TI Alkali-resistant black active dye suitable for dyeing cold rolling pile  
 IN Wu, Zuwang; Feng, Baicheng; Wang, Zhuan; Lin, Li  
 PA Dalian University of Technology, Peop. Rep. China  
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.  
 CODEN: CNXXEV  
 DT Patent  
 LA Chinese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1730566	A	20060208	CN 2005-10047136	20050830
PRAI	CN 2005-10047136		20050830		
OS	MARPAT 144:490224				

L24 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2006:313494 CAPLUS  
 DN 145:64454  
 TI Composite reactive black dye  
 IN Zhu, Haigen; Jin, Weilong; Ban, Hui; Zhang, Jie; Liu, Jinbang  
 PA Peop. Rep. China  
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 13 pp.  
 CODEN: CNXXEV  
 DT Patent  
 LA Chinese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1746230	A	20060315	CN 2005-10061172	20051018
PRAI	CN 2005-10061172		20051018		

L24 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:962348 CAPLUS  
 DN 143:231380  
 TI Mixtures of reactive dyes and their use  
 IN Hannemann, Klaus  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO PCT Int. Appl., 35 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005080508	A1	20050901	WO 2005-EP50477	20050204
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	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1713865	A1	20061025	EP 2005-701641	20050204
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
	CN 1918245	A	20070221	CN 2005-80004404	20050204
PRAI	EP 2004-100554	A	20040213		
	WO 2005-EP50477	W	20050204		

OS MARPAT 143:231380

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:395401 CAPLUS  
 DN 142:431537  
 TI Mixtures of reactive azo dyes and their use for textile printing  
 IN Tzikas, Athanassios; Roentgen, Georg; Fekete, Laszlo  
 PA Ciba Specialty Chemicals Holding Inc., Switz.  
 SO PCT Int. Appl., 41 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2005040285 A1 20050506 WO 2004-EP52489 20041011  
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CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,  
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,  
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SN, TD, TG  
EP 1675915 A1 20060705 EP 2004-766882 20041011  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK  
CN 1871308 A 20061129 CN 2004-80030829 20041011  
US 2007032641 A1 20070208 US 2006-576056 20060418  
IN 2006CN01346 A 20070706 IN 2006-CN1346 20060419  
PRAI EP 2003-103865 A 20031020  
WO 2004-EP52489 W 20041011  
OS MARPAT 142:431537  
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2005:140365 CAPLUS  
DN 142:221171  
TI Dye mixtures of fiber-reactive azo dyes, their preparation and their use  
IN Meier, Stefan; Russ, Werner; Eichhorn, Joachim  
PA Dystar Textilfarben G.m.b.H. & Co. Deutschland K-G., Germany  
SO U.S. Pat. Appl. Publ., 58 pp.  
CODEN: USXXCO

DT Patent  
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2005034253	A1	20050217	US 2004-899163	20040726
DE 10337636	A1	20050317	DE 2003-10337636	20030816
IN 2004KO00454	A	20060804	IN 2004-KO454	20040730
EP 1508596	A1	20050223	EP 2004-18501	20040804
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
MX 2004PA07773	A	20050323	MX 2004-PA7773	20040811
CA 2477337	A1	20050216	CA 2004-2477337	20040812
CN 1594445	A	20050316	CN 2004-10057455	20040812
BR 2004003225	A	20050524	BR 2004-3225	20040812
ZA 2004006382	A	20050617	ZA 2004-6382	20040812
TW 276668	B	20070321	TW 2004-93124220	20040812
KR 2005017598	A	20050222	KR 2004-63948	20040813
KR 748813	B1	20070813		
JP 2005060708	A	20050310	JP 2004-236771	20040816
PRAI DE 2003-10337636	A	20030816		
OS MARPAT 142:221171				

L24 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2005:140364 CAPLUS  
DN 142:221089  
TI Dye mixtures of fiber-reactive azo dyes, their preparation and their use  
IN Meier, Stefan; Russ, Werner; Eichhorn, Joachim  
PA Dystar Textilfarben G.m.b.H. & Co., Germany  
SO U.S. Pat. Appl. Publ., 50 pp.  
CODEN: USXXCO  
DT Patent



LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005034252	A1	20050217	US 2004-898845	20040726
	DE 10337637	A1	20050317	DE 2003-10337637	20030816
	IN 2004KO00453	A	20060901	IN 2004-KO453	20040730
	EP 1508598	A1	20050223	EP 2004-18502	20040804
	EP 1508598	B1	20080319		
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	EP 1669417	A1	20060614	EP 2006-111472	20040804
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	MX 2004PA07774	A	20050323	MX 2004-PA7774	20040811
	CA 2477407	A1	20050216	CA 2004-2477407	20040812
	CN 1590469	A	20050309	CN 2004-10057454	20040812
	ZA 2004006381	A	20050613	ZA 2004-6381	20040812
	BR 2004003270	A	20050524	BR 2004-3270	20040813
	KR 2005019059	A	20050228	KR 2004-64331	20040816
	JP 2005060707	A	20050310	JP 2004-236748	20040816
PRAI	DE 2003-10337637	A	20030816		
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OS	MARPAT 142:221089				

L24 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2003:777902 CAPLUS

DN 139:293419

TI Mixtures of reactive azo dyes, their production and their use

IN Eichhorn, Joachim; Russ, Werner; Meier, Stefan; Mrotzeck, Uwe

PA Dystar Textilfarben G.m.b.H. & Co. Deutschland K.-G., Germany

SO PCT Int. Appl., 220 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003080739	A1	20031002	WO 2003-EP2836	20030318
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10212769	A1	20031002	DE 2002-10212769	20020322
	DE 10212770	A1	20031002	DE 2002-10212770	20020322
	DE 10217476	A1	20031106	DE 2002-10217476	20020419
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	DE 10309406	A1	20040916	DE 2003-10309406	20030305
	CA 2477718	A1	20031002	CA 2003-2477718	20030318
	AU 2003222770	A1	20031008	AU 2003-222770	20030318
	EP 1490441	A1	20041229	EP 2003-718695	20030318
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR 2003008755	A	20050111	BR 2003-8755	20030318
	JP 2005520909	T	20050714	JP 2003-578477	20030318
	CN 1643079	A	20050720	CN 2003-806584	20030318
	IN 2004KN01166	A	20060512	IN 2004-KN1166	20040812
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PRAI DE 2002-10212769	A	20020322		
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L24 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2000:98672 CAPLUS

DN 132:138775

TI Reactive disazo dyes and their mixtures, their production and their use

IN Tzikas, Athanassios; Klier, Herbert

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000006652	A2	20000210	WO 1999-EP5020	19990715
	WO 2000006652	A3	20010726		
	W:				
	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,				
	DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,				
	JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,				
	MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,				
	TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,				
	MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,				
	ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,				
	CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9949110	A1	20000221	AU 1999-49110	19990715
	EP 1137716	A2	20011004	EP 1999-932887	19990715
	EP 1137716	B1	20030820		
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO				
	JP 2002521548	T	20020716	JP 2000-562440	19990715
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L24 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1996:379327 CAPLUS

DN 125:35826

TI Bisazo compounds and their application in dyeing of fiber material

IN Sasaki, Shigeru; Omura, Takashi; Washimi, Takeshi

PA Sumitomo Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08060017	A	19960305	JP 1994-198313	19940823

PRAI JP 1994-198313  
OS MARPAT 125:35826

19940823